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230

Universal Procedures Table

Ritter® by MIDMARK

To purchase a printed copy of this manual,
click on the "Place Order" button below.

Place Order

CE

User's Guide

003-1500-00 (Rev J)

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Product Information

(The information below is required when calling for service)

***Dealer** [name / phone]:*

Date of Purchase:

Model / Serial Number:

***Midmark Authorized Service Company** [name / phone]:*

Model / Serial Number Location

MA684200p

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Important Information

Safety Symbols

Caution
Indicates a potentially hazardous situation which could result in injury if not avoided.

Equipment Alert
Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note
Amplifies a procedure, practice, or condition.

Consult User Guide for important information.

Proper shipping orientation

Fragile

Type B, Applied Part

Protective earth ground

Keep Dry

3 Maximum stacking height (**palletted** units)

6.3A 250V TYPE T Fuse rating specification

IPX1 Protected against dripping water

Duty Cycle (motor run time): 30 seconds ON, 5 minutes OFF

Pan must be fully retracted to enable Foot Up function.

CLASSIFIED TO: UL STD. 60601-1
CERTIFIED TO: CAN/CSA STD. C22.2 NO. 601.1

This product has been evaluated with respect to electrical shock, fire & mechanical hazards only, in accordance with UL60601-1 and CAN/CSA C22.2 NO. 601.1.

Transportation / Storage Conditions

Ambient Temperature Range: ..... +41°F to 100°F (+5°C to +38°C)
Relative Humidity ..... 10% to 90% (non-condensing)
Atmospheric Pressure ..... 500hPa to 1060hPa (0.49atm to 1.05atm)

Intended Use

This product is intended to be used as a chair / table to provide positioning and support of patients during general examinations and procedures conducted by qualified medical professionals.

Electrical Requirements

Caution

When using high frequency surgical devices or endocardial catheters:

- Use non-conductive material to insulate patient from metal portions of the table.
- Consult operating instructions for the device before using in conjunction with drawer or upholstery heater.

Failure to comply may result in electric shock or burns to patient.

Electromagnetic Interference

This Midmark table is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this table:

- Remove interfering device from room
- Plug table into an isolated circuit
- Increase seperation between table and interferring device
- Contact Midmark if interference persists

Electromagnetic Compliance Statements per EN60601-1-2 are available online:
Go to: ***www.documark.com*** *(Use the* ***FIND*** *feature to locate:* ***077-0501-00****)*

(or click on button below)

EMC Statements

Authorized CE Representative

Countries in the EEC should direct all questions, incidents, and complaints to Midmark's Authorized CE representative listed below:

Promotal
22, Rue De St. Denis
53500 Ernee,
FRANCE
Phone: 33-2-430-517-76
Fax: 33-2-430-569-10

Disposal of Equipment

At the end of product life, the table, accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

Safety Instructions

Hand / Foot Control Connection

There are two hand / foot control cord inlets. One is located on the base column at the foot end of the table, and one is located on the PC board cover at the head end. These cord inlets are interchangeable.

Equipment Alert

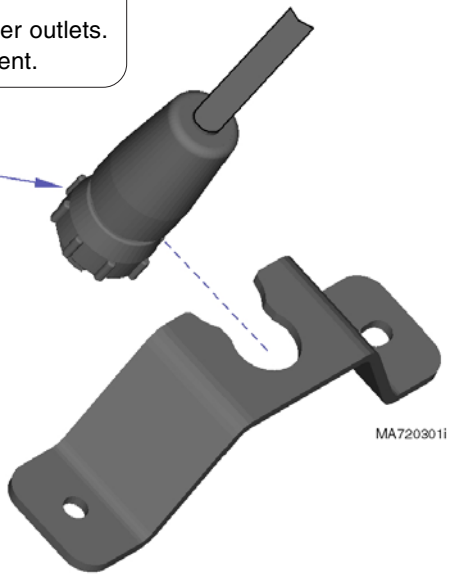
Never plug the hand / foot control into any other outlets. Doing so may result in damage to the equipment.

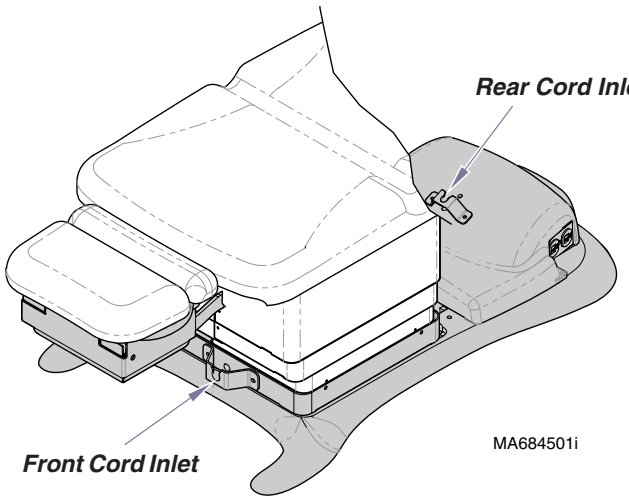
To connect hand / foot control cord...

A. Connect cord to inlet (see Note).

B. Tighten locking ring.

Note: *The cord connector is "keyed" and must be oriented properly to connect.*





Operation

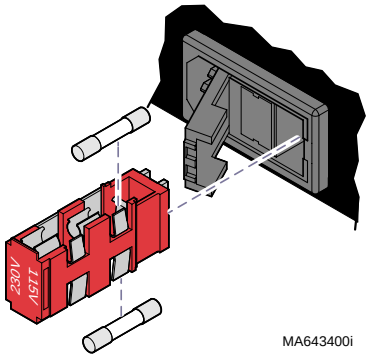
Power To The Table

If the table has no power...
All functions will be inoperable.

Before calling for service...
A. Check power cord connections.
B. Check / reset facility circuit breaker.
C. Check / replace table fuse(s).

If Power Indicator Light is...
ON: *Table has power*
OFF: *No power to table.*

Before replacing fuses...
Disconnect power cord from table.



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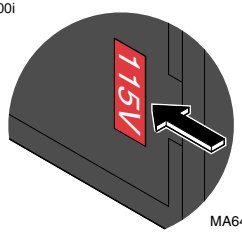
To replace fuses...
[Refer to Specifications section for correct fuse size & ratings]
A. Open the fuse holder cover.
B. Remove fuse holder & faulty fuse(s).
C. Install new fuse(s), then replace fuse holder.

Attention: *Voltage setting that shows thru window of fuse holder cover must match facility supply voltage.*



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Equipment Alert
Incorrect voltage setting will result in damage to the table.

Base Up / Down

To move the Base UP or DOWN...
Press and hold the appropriate button.

Movement stops when...
Up / Down button is released.
Maximum / minimum position is reached.

Max.
Standard base: 40 in. (101.6 cm)
Rotational base: 43.5 in. (110.5 cm)

Min.
Standard base: 22.5 in. (57 cm)
Rotational base: 26 in. (66 cm)

Back Up / Down

To move the Back section UP or DOWN...
Press and hold the appropriate button.

Movement stops when...
Maximum / minimum position is reached.
Up / Down button is released.

Foot Up / Down

Attention!

The **Foot Up function is disabled when the treatment pan is pulled out**.
(You will hear several "*beeps*" when Foot Up is activated with the pan pulled out).

To resume Foot Up operation:
Push the pan all the way in.
Press Foot Up button.

To move the Foot section UP or DOWN...
Press and hold the appropriate button.

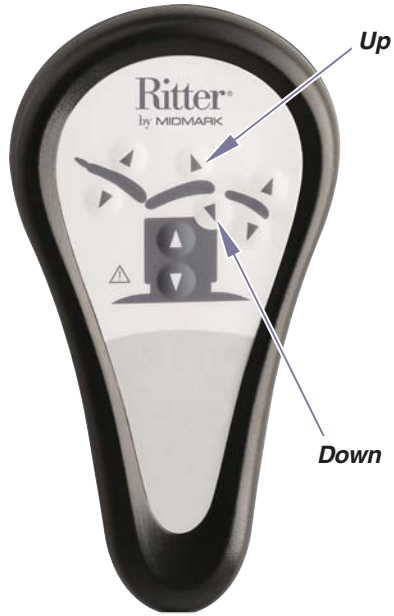
Movement stops when...
Maximum / minimum position is reached.
Up / Down button is released.

Max.
0° ±0.5°

Min.
90° ±1°

Tilt Up / Down

To Tilt the seat section UP or DOWN...
Press and hold the appropriate button.



Movement stops when...
Maximum / minimum position is reached.
Up / Down button is released.

Max.
30° ±2°

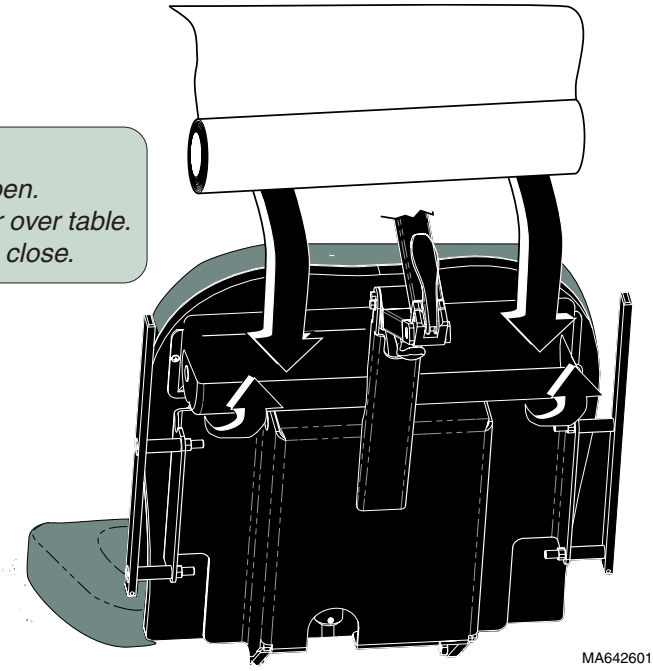
Min.
0° ±0.5°

Paper Roll

Paper Roll Size (max.) ..... 18 in. long x 3.5 in. diameter
(45.7 cm x 8.9 cm)

To install the paper roll...

A. Pivot paper roll cover back to open.
B. Install paper roll, then pull paper over table.
C. Pivot paper roll cover forward to close.



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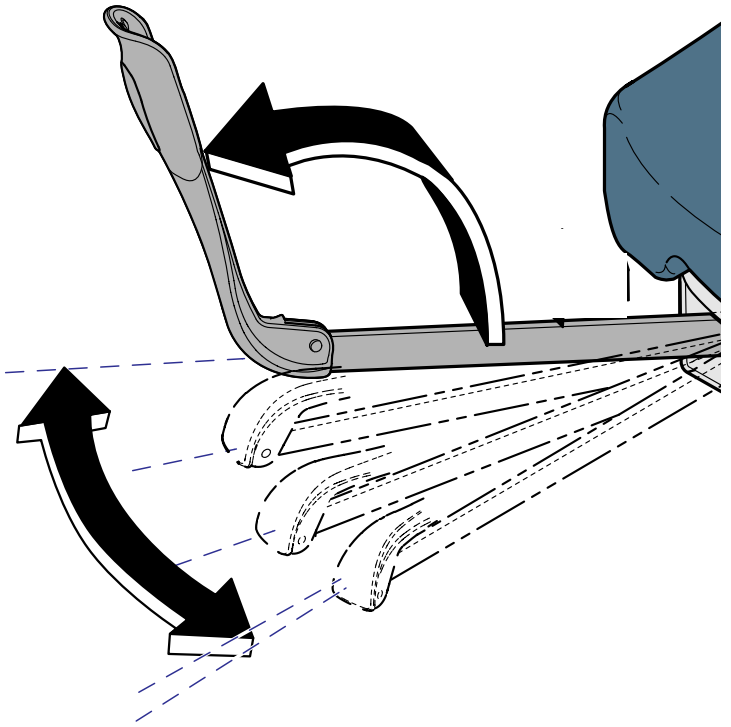
Stirrups

Caution

Never use stirrups to lift table.
Be sure the stirrups are locked in place before using.
The stirrups will not support the patient's entire weight / excessive force.

To position the stirrups...

A. Pull the stirrup out, then unfold.
B. Lift the stirrup slightly, then move it left or right as desired.
C. Release stirrup to lock in position.



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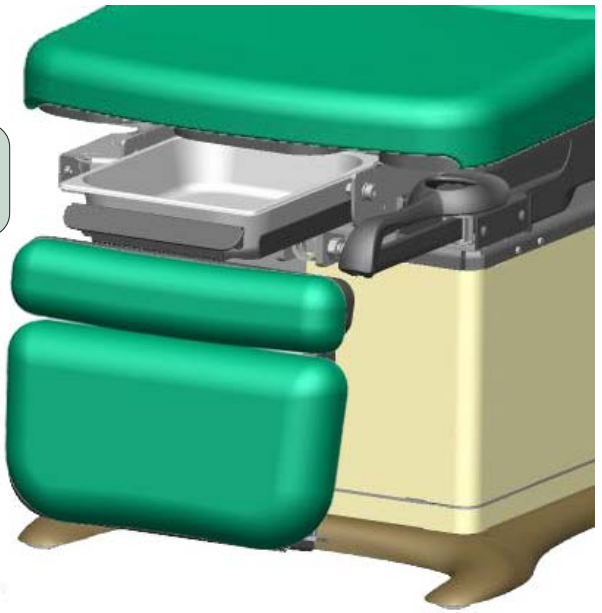
Treatment Pan

Attention!

The Foot Up function is disabled when the treatment pan is pulled out.
(You will hear several "*beeps*" if Foot Up is activated with the pan pulled out).

To resume Foot Up operation:
Push the pan all the way in.
Press Foot Up button.

To access the treatment pan...
A. Lower the foot section.
B. Pull the treatment pan slide out.



Duplex Receptacle (optional - not available on 230 volt models)

The duplex receptacle provides power for accessories used during medical procedures. Power to the receptacle will be interrupted if the maximum load is exceeded.

Maximum Load *[both receptacles combined]: .....* 115 VAC, 3 amps, 50/60 Hz

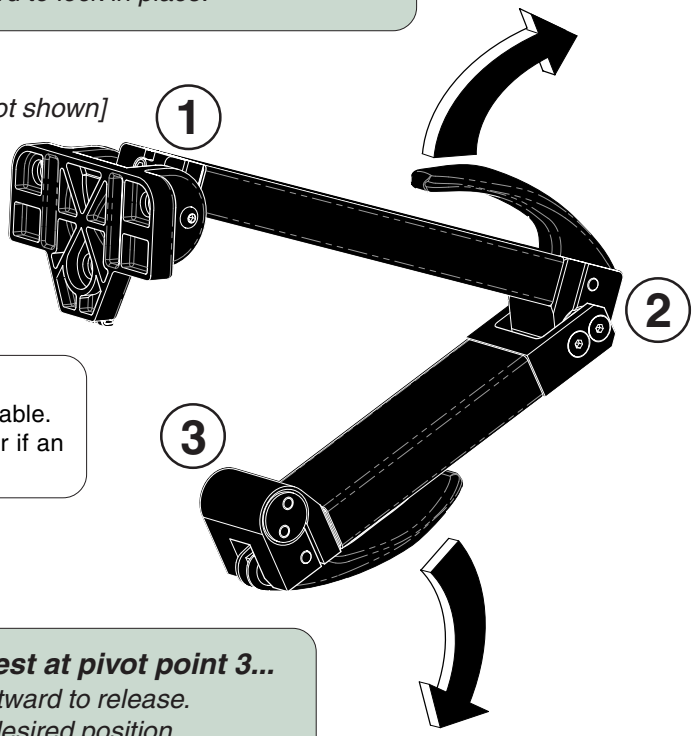
Equipment Alert
Exceeding the maximum load for the receptacle may result in blown fuses. If this occurs, all table functions will be disabled until fuses are replaced. *[Fuse replacement procedure is shown on the **Power To The Table** page].*

Headrest Positioning

Caution
Be sure headrest is locked securely in position before use.

To adjust the headrest at pivot points 1 and/or 2...
A. *Pull upper handle outward to release.*
B. *Move pivot point(s) to desired position.*
C. *Push upper handle inward to lock in place.*

[For clarity, the upholstery is not shown]



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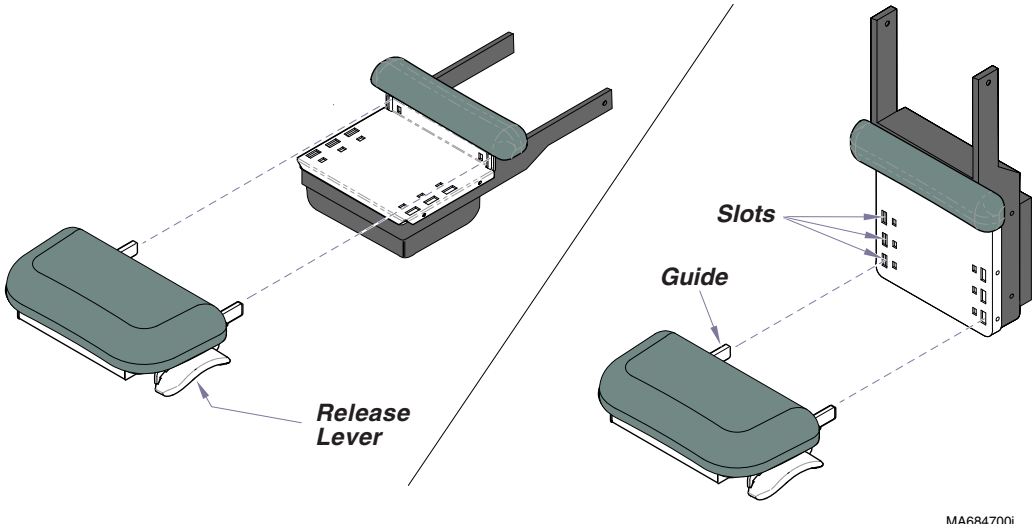
Note
The handle tension is adjustable. Contact your service provider if an adjustment is required.

To adjust the headrest at pivot point 3...
A. *Pull lower handle outward to release.*
B. *Move pivot point to desired position.*
C. *Push lower handle inward to lock in place.*

Knee / Chest Position

Caution
Be sure foot section is locked securely in position before use.

To remove the foot section...
A. *Lift release levers on either side of foot section.*
B. *Pull foot section straight out.*



To install foot section in Knee / Chest Position...
A. *Lower the foot section.*
B. *Insert foot section guides into desired slots.*
C. *Be sure foot section is securely engaged before using.*

Rotational Base (optional)

To rotate the table base...

A. Press and release the brake pedal.
B. Rotate the table to desired position.

To lock in position...

A. Press and release the brake pedal.

Note: The base will automatically lock in position after two minutes.

Brake Pedal

Maintenance

Cleaning

Upholstery

Equipment Alert
The upholstery is resistant to most medicinal stains, but may be damaged by solvents and dyes. Immediately remove any fluids spilled on the upholstery. Allow upholstery to air dry, or use hair dryer on lowest setting.

Spot cleaning ..... use mild soap and water
Difficult stains ..... use a mild solvent
Disinfecting: ..... use 5:1 diluted bleach solution

Painted / Plastic Surface
Wipe the painted metal and plastic surfaces as necessary with a clean, soft cloth, and mild cleaner. Periodic applications of common furniture wax will ease cleaning and maintain the finished luster of the table.

Preventive Maintenance

Periodically inspect the following areas:

- Power cord should be free of cuts or other visible damage.
- All fasteners should be present and tightened securely.
- All mechanical functions should operate properly.

Calling For Service *[Product serial number is required]*

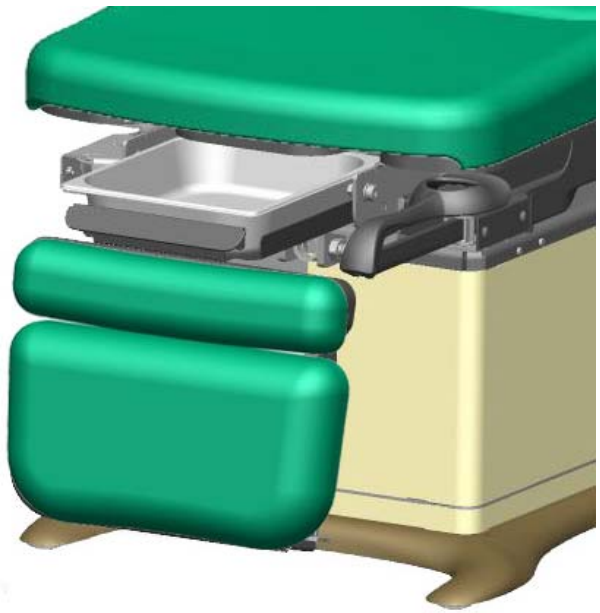
Contact your Midmark dealer, or log onto www.midmark.com to locate your nearest service provider. To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662
8:00 am until 5:00 pm. Monday through Friday (EST)
[excluding standard U.S. holidays]

Troubleshooting

No Foot Up Function

Function	*Status*	*Problem*	*Correction*
Foot Up		No movement (“*beeps*”)	Push treatment pan in.
All other functions		OK	-



Specifications

Weights, Dimensions, Electrical Specifications

Patient Weight (Maximum) ..... 450 lbs (204.1 kgs)

Paper Roll (maximum size): ..... 18 in. long x 3.5 in. diameter (45.7 x 8.9 cm)

Range of Motion & Dimensions ..... [See Range of Motion & Dimensions page]

Weight of Table:
230 *(w/standard base)* ..... 455 lbs (206.4 kg)
w/packaging & skid ..... 510 lbs (231.3 kg)
230 *(w/rotational base)* ..... 540 lbs (244.9 kg)
w/packaging & skid ..... 600 lbs (271.1 kg)

Power Cord: ..... 8 ft. (243.8 cm) long

Electrical Requirements: ..... [See Compliance Charts]

Foot Control Voltage: ..... 10 VAC, SELV (Safety Extra Low Voltage)

Duplex Receptacle (optional) maximum load: ..... 115 VAC, 3A, 50/60 Hz

Fuses:
Located at power cord inlet:
F1 & F2 ..... 6.3 A, 250V, Type T, 5 x 20 mm

Duty Cycle *(motor run time)*: ..... Intermittent Operation [30 seconds ON / 5 minutes off]

Classifications: ..... Class 1, Type B Applied Part

Protection against ingress of fluids: ..... Ordinary Equipment
Foot Control only: IPX1

Regulatory Compliance: ..... [See Compliance Chart]

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or with oxygen, or nitrous oxide.

Model Identification / Compliance Chart

Model	Description	Serial Number Prefix	Complies To:					Electrical Ratings:		
			UL 60601-1	CAN/CSA 22.2, #601.1-M90	IEC 60601-1	EN 60601-1-2 (EMC)	CE	VAC +/-10%	Amps	Cycles (Hz)
230-001	**Ritter Universal Proc. Table** *(Non-Programmable)*	V	X	X	X	X	X	*Configurable* 115 230	7 3.5	50 / 60
230-002	**Ritter Universal Proc. Table** *(Non-Programmable)* w/ *Receptacle*	V	X	X	X	X	X	115	10	50 / 60
230-003	**Ritter Universal Proc. Table** *(Non-Programmable) w/ rotational base*	V	X	X	X	X	X	*Configurable* 115 230	7.5 3.8	50 / 60

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Range of Motion & Dimensions

Max.
Standard base: 40 in. (101.6 cm)
Rotational base: 43.5 in. (110.5 cm)

Min.
Standard base: 22.5 in. (57 cm)
Rotational base: 26 in. (66 cm)

Max.
30° ±2°

Min.
0° ±0.5°

Max.
85° ±3°

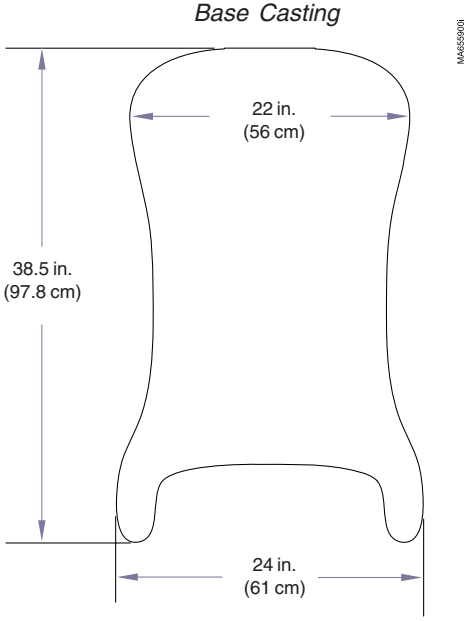
Min.
0° ±0.5°

Max.
0° ±0.5°

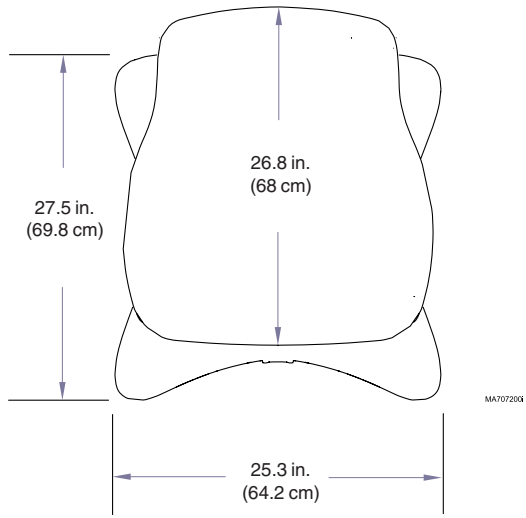
Min.
90° ±1°

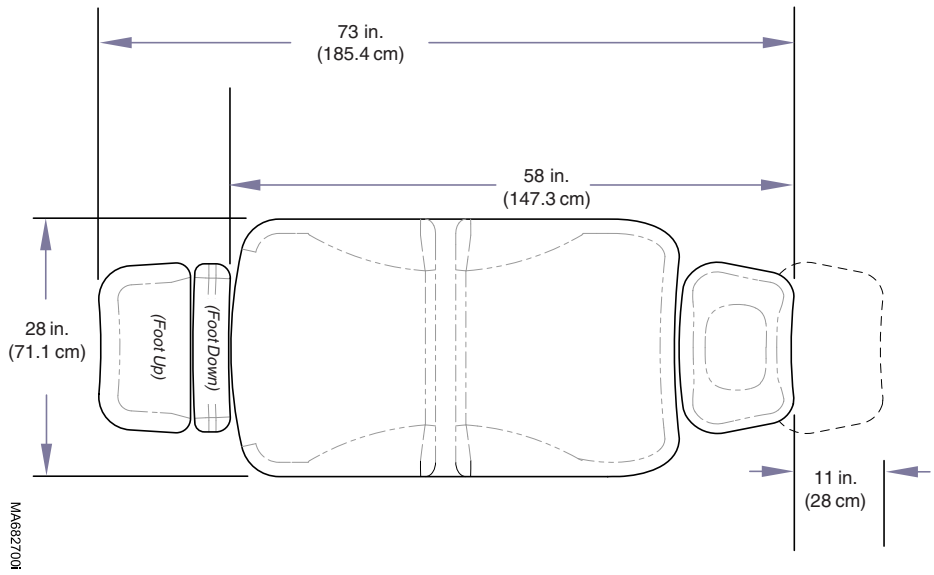
Range of Motion & Dimensions - *(continued)*

Models w/ Standard Base
Base Casting



Models w/ Rotational Base
Base Castings





Limited Warranty

SCOPE OF WARRANTY

Midmark Corporation (“Midmark”) warrants to the original purchaser its new Alternate Care products and components (except for components not warranted under “Exclusions”) manufactured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark’s obligation under this warranty is limited to the repair or replacement, at Midmark’s option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark “Installation” and or “Installation / Operation Manual for this applicable product. (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY

Midmark’s only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profits or loss of use.

NO AUTHORIZATION

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK’S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACE MENT OF DEFECTIVE PARTS.

SF-1487 REV. A1

Notes:

Notes:

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DECLARATION OF CONFORMITY

MIDMARK CORPORATION

Midmark Corporation declares that Models **630 (all), 230 (all), & 75 (-019 / -020 / -021)** conform to the applicable requirements of the Medical Device Directive 93/42/EEC, Annex VII.

630-001 Serial Numbers: ST1000 to present.
630-002 Serial Numbers: SV1000 to present.
630-003 Serial Numbers: SW1000 to present.
630-004 Serial Numbers: SX1000 to present.
630-008 Serial Numbers: VB1000 to present.
630-009 Serial Numbers: VC1000 to present.
630 (all) Serial Numbers: V2200 to present.

230 (all) Serial Numbers: V2200 to present.

75-019 Serial Numbers: V2200 to present
75-020 Serial Numbers: VB1000 & V2200 to present.
75-021 Serial Numbers: VC1000 & V2200 to present.

Quality Assurance Manager

Gene Harshbarger
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60 Vista Drive, P O Box 286
Versailles, Ohio 45380 U.S.A.

077-0389-00 Rev. B

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